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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/537,115	03/20/2006	Aleksandr Kolesnikov	016002-004310US	8222
	7590 06/14/2007 AND TOWNSEND AND (CREW LLP	EXAM	INER
TWO EMBARCADERO CENTER			CHU, YONG LIANG	
EIGHTH FLOO SAN FRANCIS	OR SCO, CA 94111-3834	•	ART UNIT PAPER NUMBEI	
			1626	
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			06/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
		10/537,115	KOLESNIKOV ET AL.
	Office Action Summary	Examiner	Art Unit
		Yong Chu	1626
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
A SH WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)□	Responsive to communication(s) filed on <u>02 July</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.	
Dispositi	ion of Claims	•	
5) [6) [7) [Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-10 are subject to restriction and/or expressions.	vn from consideration.	
Applicati	ion Papers		·
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 1.	epted or b) objected to by the Identified or b) objected to by the Identified or by the Ident	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority ι	ınder 35 U.S.C. § 119		
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachmen	et(s) ce of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)
2) Notic 3) Infor	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other: Ore in M	ate Patent Application

DETAILED ACTION

Claims 1-10 are currently pending in the instant application and are subject to the following lack of unity requirement.

Election/Restrictions

Restriction is required under 35 U.S.C. 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Claims 1-10 are drawn to more than one inventive concept (as defined in PCT Rule 13), and accordingly, a restriction is required according to the provision of PCT Rule 13.2

PCT Rule 13.2 states that the international application shall relate to one invention only or to a group of inventions so linked as to form a general inventive concept (requirement of unity of invention).

PCT Rule 13.2 states that unity of invention referred to in Rule 13.1 shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features.

Due to lack of core structure and the numerous and widely divergent variables in the compound of formula (I)-(II) e.g. X¹-X⁴, R¹-R³⁰, R^x, R^y, etc., the general formula I contains various distinct special technical features. A preliminary search of the inventions on STN found 371 compounds sharing the core structure (see attached STN

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preliminary search report). Therefore the inventions are lack of unity. For this reason, further restriction is required. A precise listing of inventive groups cannot be made.

The following groups are exemplary, and may be subject to further restriction:

Group I: Claims 1-4 are drawn to products of formula (I)

wherein X^1 is $-N_-$, X^2 is $-N_-$, X^3 is $-N_-$, and X^4 is $-N_-$, or a

composition comprising the said product. This group may be subject to further restriction if elected.

Group II: Claims 1-4 are drawn to products of formula (I) wherein X¹ is –N-, X² is –N-, X³ is –N-, and X⁴ is –CR⁵-, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group III: Claims 1-4 are drawn to products of formula (I) wherein X^1 is -N-, X^2 is -N-, X^3 is $-CR^5$ -, and X^4 is -N-, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group IV: Claims 1-4 are drawn to products of formula (I) wherein X^1 is -N-, X^2 is -N-, X^3 is $-CR^5$ -, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group V: Claims 1-4 are drawn to products of formula (I) wherein X^1 is -N-, X^2 is $-CR^5$ -, X^3 is -N-, and X^4 is -N-, or a composition comprising the said product. This group may be subject to further restriction if elected.

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Group VI: Claims 1-4 are drawn to products of formula (I) wherein X¹ is -N-, X² is - CR⁵-, X³ is -N-, and X⁴ is -CR⁵-, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group VII: Claims 1-4 are drawn to products of formula (I) wherein X^1 is -N-, X^2 is $-CR^5$ -, X^3 is $-CR^5$ -, and X^4 is -N-, or a composition comprising the said product. This group may be subject to further restriction if elected.

<u>Group VIII:</u> Claims 1-4 are drawn to products of formula (I) wherein X^1 is -N-, X^2 is $-CR^5$ -, X^3 is $-CR^5$ -, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group IX: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $- \mathbb{CR}^5$ -, X^2 is $-\mathbb{N}$ -, X^3 is $-\mathbb{N}$ -, and X^4 is $-\mathbb{N}$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group X: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $-CR^5$ -, X^2 is -N-, X^3 is -N-, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XI: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $- \mathbb{CR}^5$ -, X^2 is $-\mathbb{N}$ -, X^3 is $- \mathbb{CR}^5$ -, and X^4 is $-\mathbb{N}$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XII: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $-CR^5$ -, X^2 is -N-, X^3 is $-CR^5$ -, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

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Group XIII: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $- \mathbb{CR}^5$ -, X^2 is $- \mathbb{CR}^5$ -, X^3 is $- \mathbb{N}$ -, and X^4 is $- \mathbb{N}$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XIV: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $-CR^5$ -, X^2 is $-CR^5$ -, X^3 is -N-, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XV: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $- \mathbb{CR}^5$ -, X^2 is $- \mathbb{CR}^5$ -, X^3 is $- \mathbb{CR}^5$ -, and X^4 is $-\mathbb{N}$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XVI: Claims 1-4 are drawn to products of formula (I) wherein X^1 is $-CR^5$ -, X^2 is $-CR^5$ -, X^3 is $-CR^5$ -, and X^4 is $-CR^5$ -, or a composition comprising the said product. This group may be subject to further restriction if elected.

Group XVII: Claim 9 is drawn to intermediate products of formula (II)

This group is subject to further restriction if elected.

Group XVIII: Claims 5-8 are drawn to a method of using the said compound or composition for the treatment of various diseases or disorders. This group may be subject for further restriction if elected.

Group XIX: Claim 10 is drawn to a process of preparing the said compound.

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In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted. The elected group is subject to further restriction.

Again, this list is not exhaustive as it would be impossible under the time constraints due to the sheer volume of subject matter instantly claimed. Therefore, applicant may choose to elect a single invention at the similar scope as the examples shown supra (a product or a method of use of said product) by identifying another specific embodiment, i.e. another group, not listed in the exemplary groups of the invention and examiner will endeavor to group the same. Applicant also needs to elect a single compound as the elected species for initial search purpose.

The claims herein lack unity of invention under PCT rule 13.1 and 13.2 since, under 37 CFR 1.475(a) the compounds defined in the claims lack a significant structural element qualifying as the special technical feature evidenced by formula I' with numerous and widely divergent variables in the compound of formula (I').

Accordingly, unity of invention is considered to be lacking and restriction of the invention in accordance with the rules of unity of invention is considered to be proper.

Additionally, the vastness of the claimed subject matter, and the complications in understanding the claimed subject matter imposes a serious burden on any examination of the claimed subject matter.

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Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed Yong Chu whose telephone number 571-272-5759. The examiner can normally be reached on 7:00 am - 3:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. M[©]Kane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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